

Mechanical Engineering designs and develops hardware, including experimental and prototypes; engages in computer code development, physical model development, and the applications of advanced numerical techniques in support of design modeling activities in structural, fluid, and thermal analyses; precision systems; testing; facility engineering; and project management. Its four Divisions are: **Defense Technologies Engineering Division (DTED)**, **Laser Sciences Engineering Division (LSED)**, **New Technologies Engineering Division (NTED)**, and **Manufacturing and Materials Engineering Division (MMED)**. DTED supports nuclear weapons design and production; hydrodynamic testing; and nuclear facility operation. LSED supports the National Ignition Facility and Laser Science and Technology programs. NTED provides scientific, analytical, project management, and intelligence assessment support to a variety of programs as well as nonproliferation and scientific program support, including nano- and biotechnologies. MMED offers manufacturing support to all LLNL programs through specialties such as precision engineering, vacuum, composite and advanced materials, and nondestructive evaluation.

## Engineering Needs

- Mechanical Design Engineers
- Computational Analysis and Code Development Engineers (Structural/Applied/Thermal/Fluid Mechanics, Materials Modeling)
- Project Engineers and Systems Engineers
- Precision Engineers
- Laser Optics Mechanical Engineers
- Process Engineers
- Micro/Nanotechnology Engineers
- Test Engineers (Vibration and Thermal)
- Production Engineers
- Nondestructive Evaluation Engineers or Scientists specializing in ultrasonics or radiation applications
- Materials Scientists or Engineers (materials generalists and dynamic fracture/fracture mechanics expertise)
- Metallurgical Engineers
- Technology Assessment Engineers
- Facility Maintenance Engineers/Managers
- Quality Assurance Engineers/Managers
- Authorization Basis Engineers
- Risk Assessment and Management Engineers
- Nuclear Facility Engineers
- Special Nuclear Materials Packaging Engineers
- Biomedical Engineers
- Experimental Field Engineers
- Configuration Management Engineers

## Technical Needs

- Mechanical Technicians
- Mechanical/Optical Assembly Technicians
- Mechanical Designers/Drafters
- Machinists
- Mechanical Inspectors
- Coordinators—Mechanical, Facilities, & Optical
- Opto-Mechanical Assembly Technicians
- Machine Tool Repairers
- Radiographers
- Nuclear Facility Operators
- Special Nuclear Materials Handlers

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LLNL is proud to be an Equal Opportunity Employer with a commitment to workforce diversity.

U.S. citizenship and the ability to obtain a Department of Energy clearance is required (permanent residency does not meet this requirement).